



A101
2

1 Cover image
1:1

NOTES

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- Concrete to be class C20 with a minimum crushing strength of 14N/mm² at 7 days and 20N/mm² at 28 days.
- Minimum cover to reinforcement to be taken as 40mm.
- All excavations to be approved by the UNHCR Engineer/technical representative before concreting.
- All reinforcement works are to be approved by the UNHCR Engineer/technical representative before concreting.
- Compaction is to be done in layers not exceeding 150mm thick.
- Soil bearing pressure has to be taken as 150kN/mm².
- Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
- All slab at grade to be poured on 1000 gauge polythene 50mm stone dust blinding on compacted hardcore.
- All soils under slab and around external foundation to be treated for termite control.
- Window sills must be finished before internal plastering.
- Depth of foundation to be determined on site to UNHCR Engineer's approval.
- All walls to be reinforced with hoop iron at every alternate course.
- All conduits must be laid before plastering.

Ceiling Schedule	
Type	Area
600x600mm chipboard	146 m ²

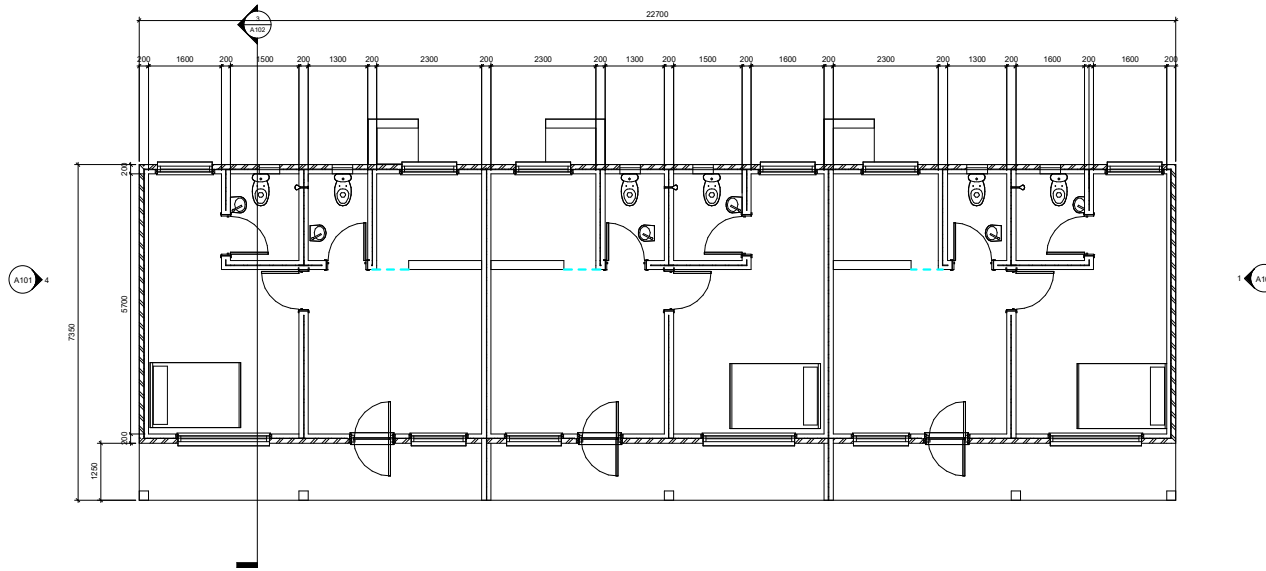
Door Schedule			
Type Mark	Width	Height	Count
D1	910	2110	3
D2	900	2110	3
D3	910	2110	3
D4	910	2110	6

Floor Schedule	
Type	Area
Floor accommodation	170 m ²

Roof Schedule	
Type	Area
Versatile sheet	232 m ²

Wall Schedule	
Type	Area
External wall 200mm thick	199 m ²
Foundation wall 200mm thick	165 m ²
Internal wall 200mm	163 m ²

Window Schedule				
Type Mark	Width	Height	Sill Height	Count
W1	2000	1200	910	3
W2	1200	1200	910	9
W3	450	600	1510	6



2 Ground
1:50



CLIENT: UNHCR
KAKUMA SUB-OFFICE

NOTES:

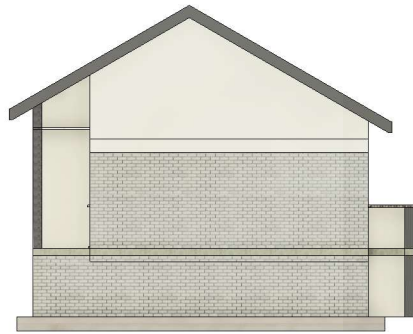
- All dimension are in mm unless otherwise specified
- Use only figured dimensions
- Depth of foundation to be determined on site
- Provide permanent vents for all doors and windows

A101

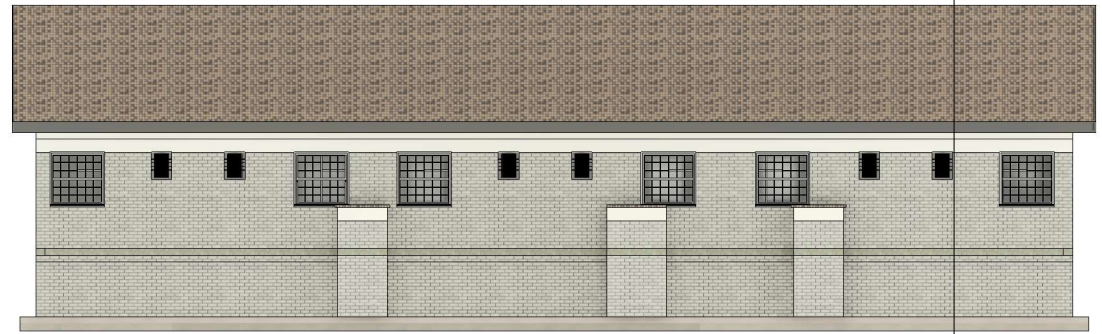
Project:

**PROPOSED STAFF ACCOMODATION UNIT
IN KAKUMA UNHCR SUB-OFFICE**

REVISION:			Designed:	Drawn:	Title:
			Opudo D	Opudo D	UNHCR KAKUMA STAFF ACCOMODATION
			Checked:	Approved:	Project cover
			Nnamdi N	Nnamdi N	
			Scale:	Date:	REV No.: Drawing No.:
Index	Description	Date	As Shown	March 2022	00 A100



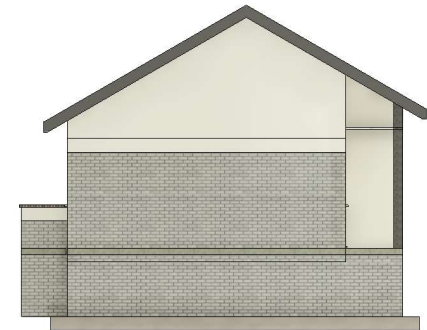
1 East
1 : 50



2 North
1 : 50



3 South
1 : 50



4 West
1 : 50



CLIENT: UNHCR
KAKUMA SUB-OFFICE

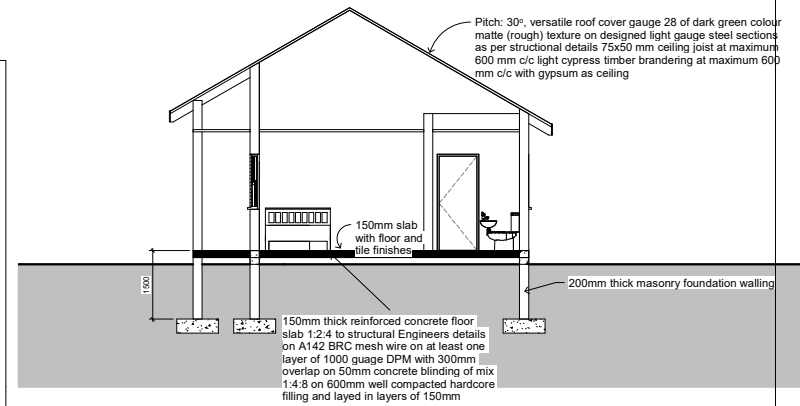
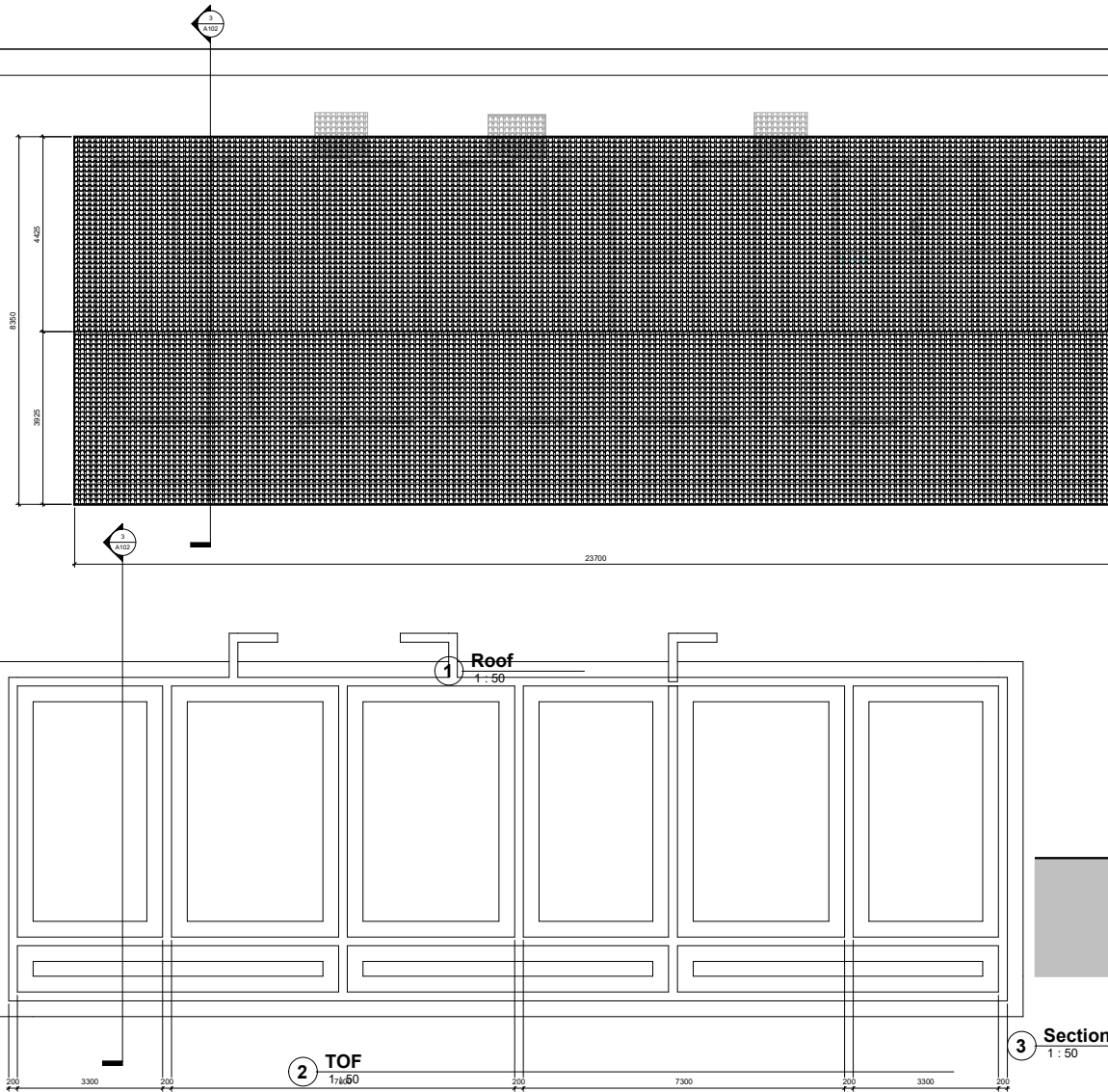
NOTES:

1. All dimension are in mm unless otherwise specified
2. Use only figured dimensions
3. Depth of foundation to be determined on site
4. Provide permanent vents for all doors and windows

Project:

PROPOSED STAFF ACCOMODATION UNIT
IN KAKUMA UNHCR SUB-OFFICE

REVISION:			Designed:	Drawn:	Title:	
			Opudo D	Opudo D	UNHCR KAKUMA STAFF ACCOMODATION	
			Checked:	Approved:	Elevations	
			Nnamdi N	Nnamdi N		
			Scale:	Date:	REV No.:	Drawing No.:
			As Shown	March 2022	00	A101
Index	Description	Date				



CLIENT: UNHCR
KAKUMA SUB-OFFICE

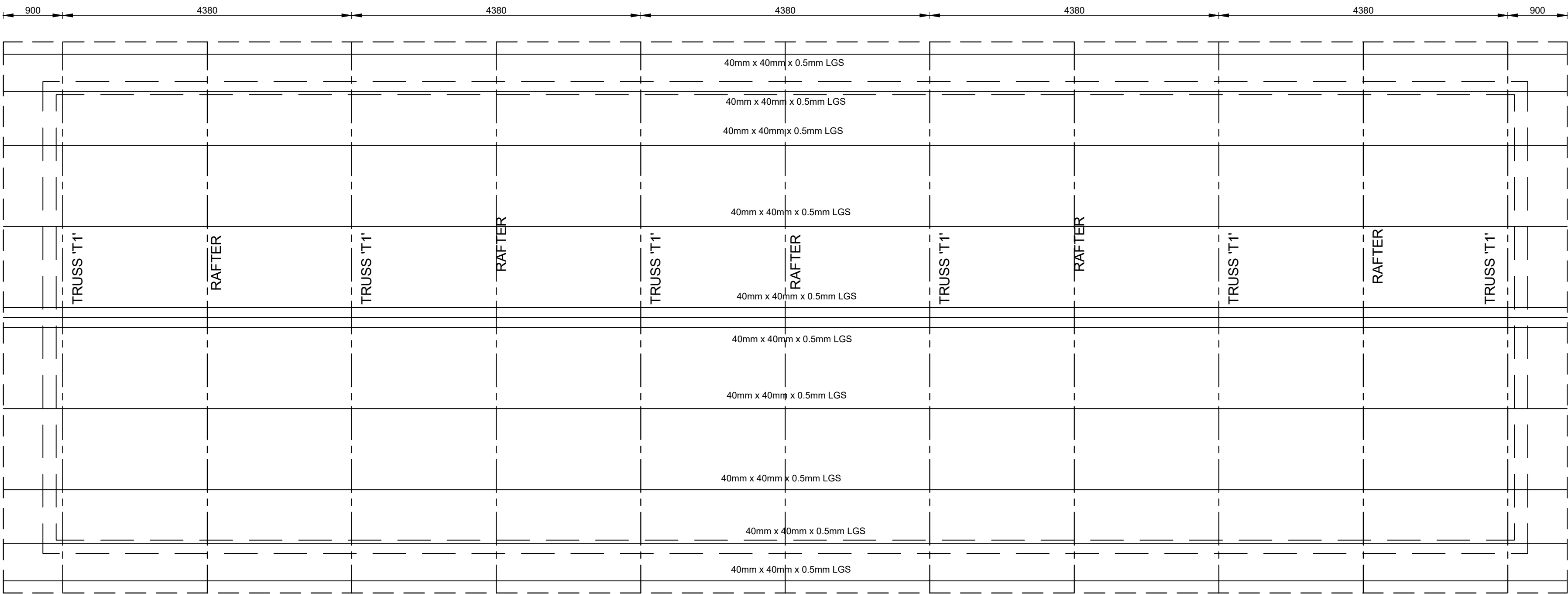
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Project:

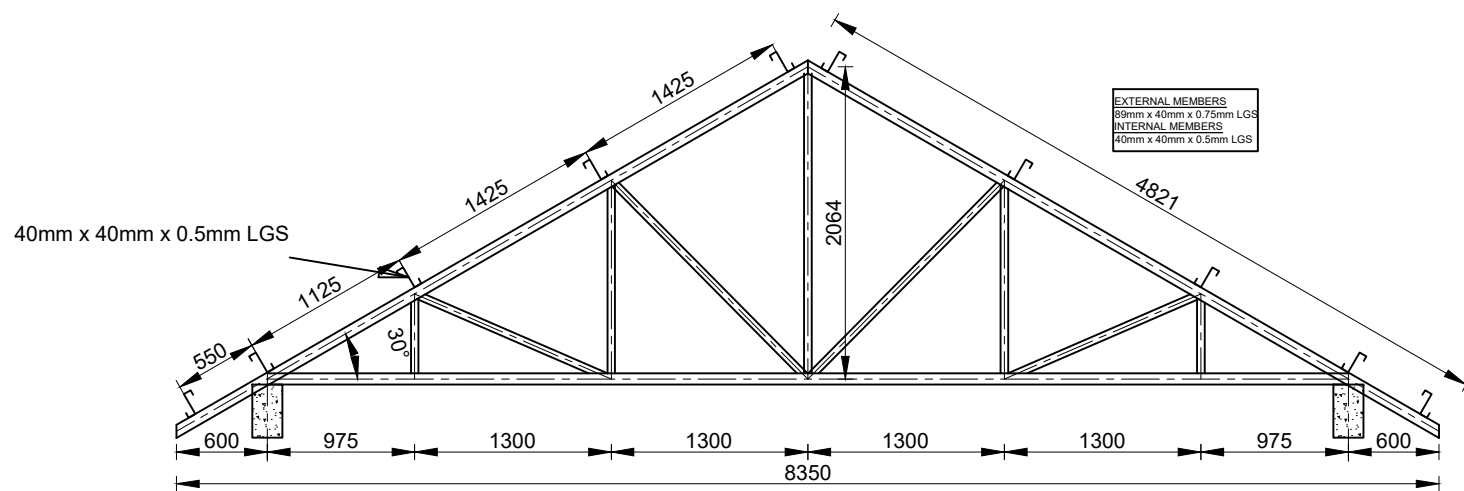
**PROPOSED STAFF ACCOMODATION UNIT
IN KAKUMA UNHCR SUB-OFFICE**

REVISION:			Designed:	Drawn:	Title:	
			Opudo D	Opudo D	UNHCR KAKUMA STAFF ACCOMODATION	
			Checked:	Approved:	Roof structure	
			Nnamdi N	Nnamdi N		
			Scale:	Date:	REV No.:	Drawing No.:
			As Shown	March 2022	00	A102
Index	Description	Date				



ROOF LAYOUT

SCALE 1:50
PURLINS TO BE 40mm x 40mm x 0.5mm LGS
@ MAX. 1425mm c/c SPACING



TRUSS T1 (6No.)

SCALE 1:50

CLIENT:
UNHCR
KAKUMA
SUB-OFFICE



REVISIONS

MARK	DATE	DETAILS

0 31/03/2022 ISSUED FOR CONSTRUCTION

NOTES:

1. FOUNDATION TO BE DETERMINED ON SITE TO MURRAM AND TO ENGINEER'S APPROVAL.
2. CONCRETE GRADE 25.
3. MAXIMUM AGGREGATE SIZE 20.
4. ALL DIMENSIONS IN MILLIMETERS.
5. DWG TO BE READ IN CONJUNCTION WITH ARCH DWG.
6. SETTING OUT TO ARCHITECT DRAWINGS.
7. ALL COLUMNS CENTERED ON BASES UNLESS OTHERWISE SHOWN.
8. ALL STRUCTURAL STEEL TO BE GRADE 43C
9. WELDING 6mm FW CONTINUOUS
10. PAINT TWO COAT OF ZINC CHROMATE PRIMER TO ALL STEELWORK WHILE IN WORKSHOP
11. OPEN ENDS OF HOLLOW SECTIONS TO BE BLANKED OFF WITH 3mm THK PLATE

PROJECT TITLE

PROPOSED UNHCR SUB-OFFICE IN
KAKUMA

DRAWING TITLE

STAFF ACCOMODATION UNIT
ROOF LAYOUT & TRUSS DETAILS

DESIGNED BY

DO

DATE

APRIL 2022

DRAWN BY

DO

CHECKED BY

NN

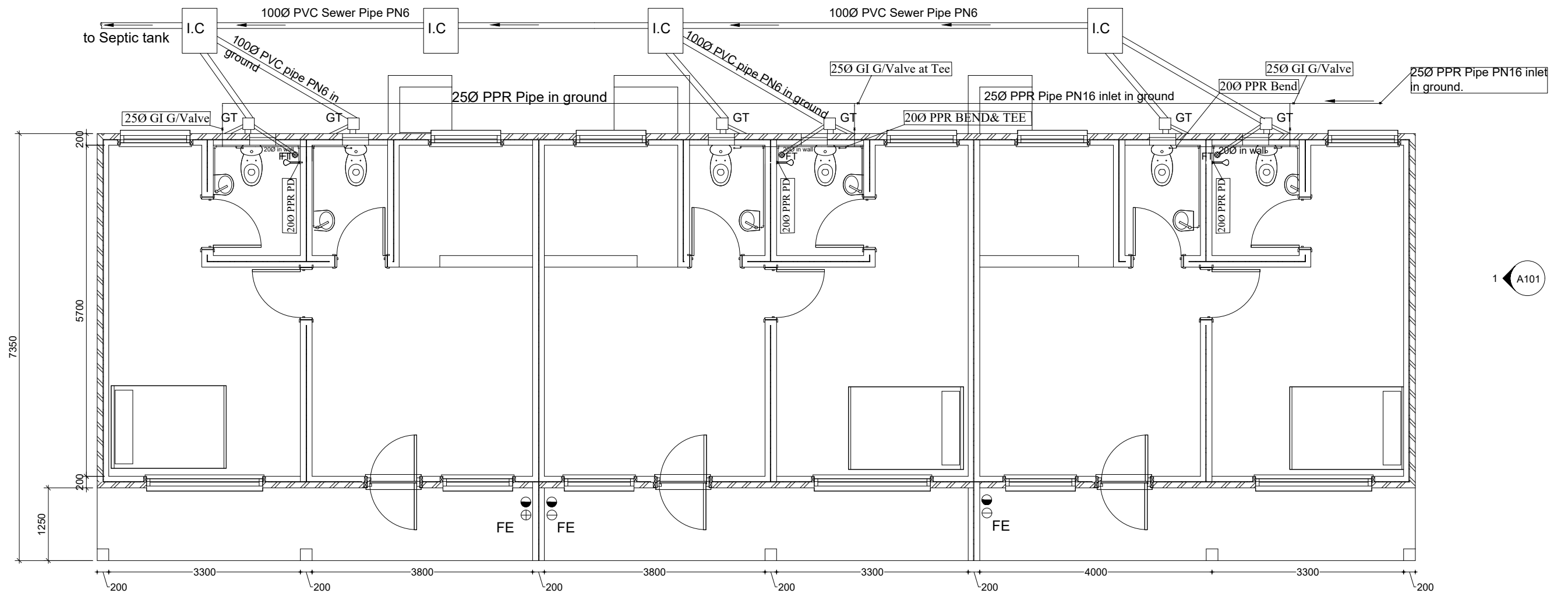
SCALE

A1 DWG 1:50/25
A3 DWG 1:100/50

REVISION

0

DRAWING NO.



STAFF ACCOMMODATION MECHANICAL LAYOUT DRAWING

NOTES:

—	Sewer Line	GT	Gulley Trap
—	potable water Lines	FE	Fire Extinguisher
—	PPR pipe	IC	Inspection Chamber
G/Valve	Gate Valve	⊕	6Kg Dry Powder Fire Extinguisher
PD	Pipe drop	●	9 Litre CO ₂ Fire Extinguisher
FT	Floor Trap	⊥	20/25Ø PPR TEE
⊗	Gate Valve	GT	Sewer lines from toilet, sink & floor trap
⌋	20Ø PPR ELBOW		

CLIENT:

UNHCR KAKUMA
SUB-OFFICE

REVISIONS

MARK	DESCRIPTIONS	DATE

NOTES:

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2. CONCRETE GRADE 25.
3. ALL MECHANICAL DRAWINGS TO BE READ IN CONJUNCTION WITH TECHNICAL SPECS
4. ALL DIMENSIONS IN MILLIMETERS.
5. AL PIPELINE WORKS TO LAID PRIOR TO PLASTERING.
6. MECHANICAL SETTING OUT TO MECHANICAL LAYOUT DRAWINGS.

PROJECT TITLE:
PROPOSED GUEST ACCOMMODATION
UNHCR SUB-OFFICE IN KAKUMA

DRAWING TITLE
STAFF ACCOMMODATION UNIT
ROOF LAYOUT & TRUSS DETAILS

DESIGNED BY:

WO

DATE:

APRIL 2022

DRAWN BY:

WO

CHECKED BY:

NN

DWG SCALE:

1:50/100

REVISION

DRAWING NO.

UNHCR/ML/02/2022



1 Cover image
1 : 50

Ceiling Schedule	
Type	Area
600x600mm gypsum	169 m²

Door Schedule			
Type Mark	Width	Height	Count
D1	910	2110	4
D2	910	2110	2
D3	910	2110	6

Floor Schedule	
Type	Area
Floor accommodation	183 m²

Railing Schedule	
Type	Length
Railing veranda	13572
Railing veranda top of doors	1832

Roof Schedule	
Type	Area
Versatile roof	263 m²

Window Schedule				
Type Mark	Width	Height	Sill Height	Count
W1	450	600	1510	6
W2	2000	1200	910	6
W3	1200	1200	910	2

Wall Schedule	
Type	Area
External wall 200mm thick	121 m²
Foundation wall 200mm thick	144 m²
Internal wall 200mm	171 m²
Veranda wall	7 m²

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- All reinforcement works are to be approved by the UNHCR Engineer/technical representative before concreting.
- Compaction is to be done in layers not exceeding 150mm thick.
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- Damp proof course must be provided under all external walls at grade. DPC to be minimum 150mm above ground level.
- All slabs at grade to be poured on 1000 gauge polythene 50mm stone dust blinding on compacted hardcore.
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- All walls to be reinforced with hoop iron at every alternate course.
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CLIENT: UNHCR
KAKUMA SUB-OFFICE

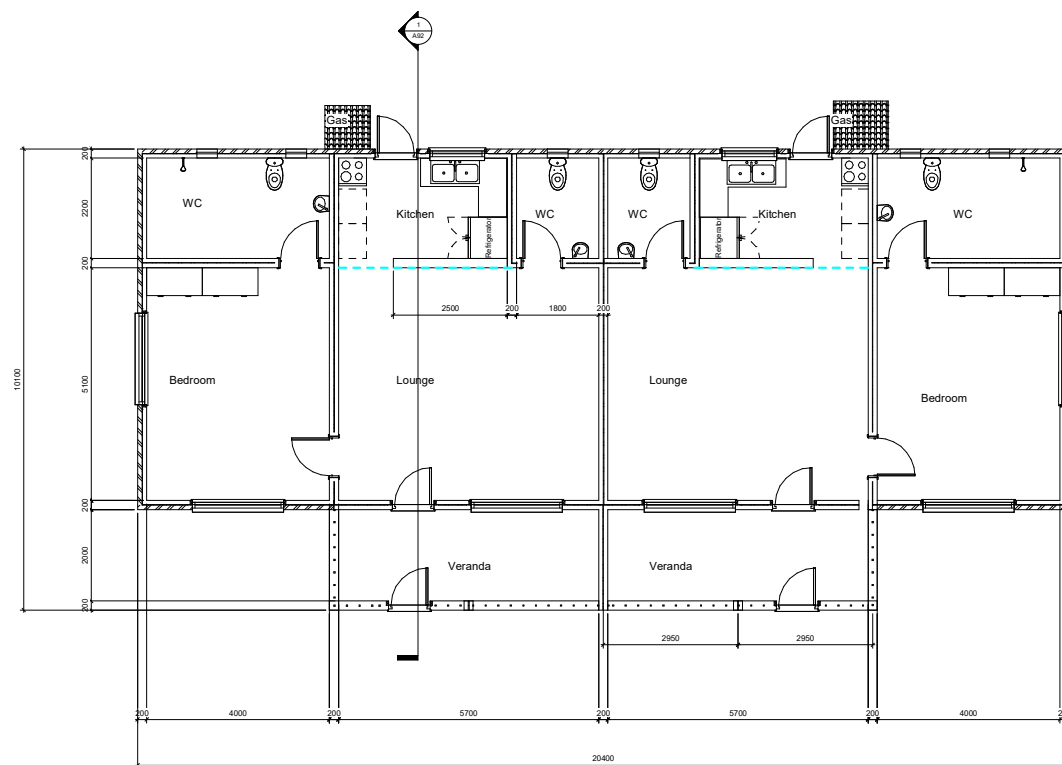
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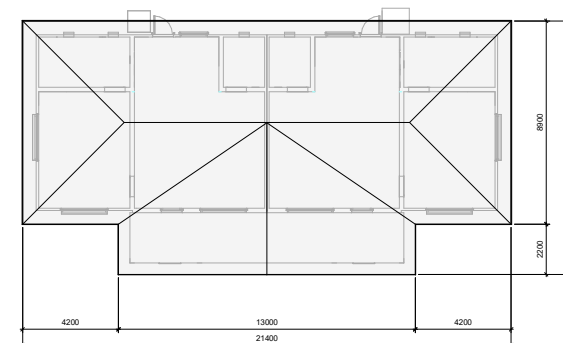
Project:

PROPOSED GUEST HOUSE IN KAKUMA
UNHCR SUB-OFFICE

REVISION:			Designed:	Drawn:	Title:	
			Opudo D	Opudo D	UNHCR KAKUMA GUEST HOUSE	
			Checked:	Approved:	Cover	
			Nnamdi N	Nnamdi N		
			Scale:	Date:	REV No.:	Drawing No.:
Index	Description	Date	As Shown	March 2022	00	A90



1 Ground
1 : 50



2 Roof
1 : 100



CLIENT: UNHCR
KAKUMA SUB-OFFICE

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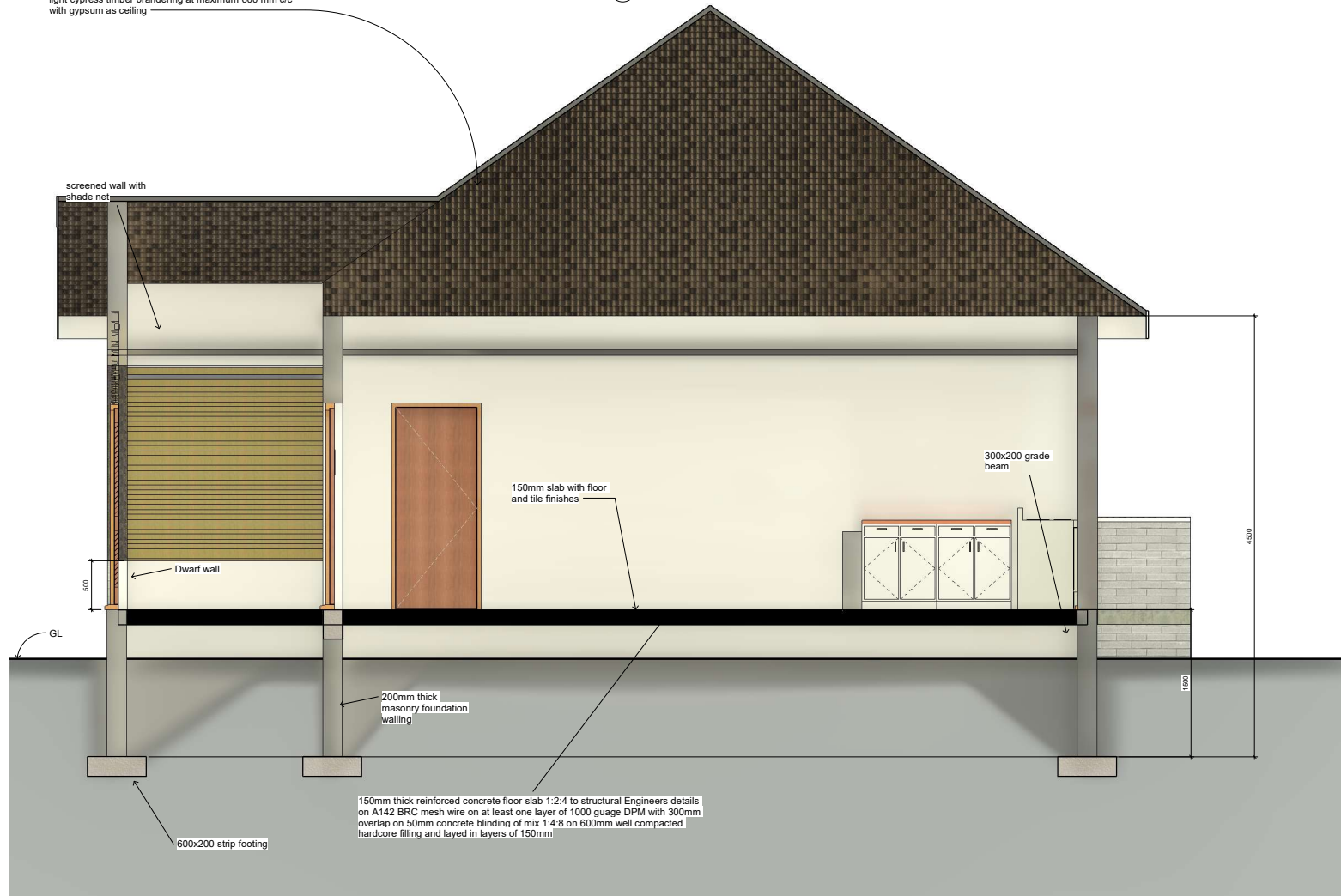
Project:

PROPOSED GUEST HOUSE IN KAKUMA
UNHCR SUB-OFFICE

REVISION:			Designed:	Drawn:	Title:	
			Opudo D	Opudo D	UNHCR KAKUMA GUEST HOUSE	
			Checked:	Approved:	Floor plan	
			Nnamdi N	Nnamdi N		
			Scale:	Date:	REV No.:	Drawing No.:
			As Shown	March 2022	00	A91
Index	Description	Date				

Pitch: 30 degrees, versatile roof cover gauge 28 of dark green colour matle (rough) texture on designed light gauge steel sections as per structural details 75x50 mm ceiling joist at maximum 600 mm c/c
light cypress timber branderling at maximum 600 mm c/c with gypsum as ceiling

1 Section 1
1 : 20



CLIENT: UNHCR
KAKUMA SUB-OFFICE

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Project:

PROPOSED GUEST HOUSE IN KAKUMA
UNHCR SUB-OFFICE

REVISION:			Designed:	Drawn:	Title:	
			Opudo D	Opudo D	UNHCR KAKUMA GUEST HOUSE	
			Checked:	Approved:	Section	
			Nnamdi N	Nnamdi N		
			Scale:	Date:	REV No.:	Drawing No.:
			As Shown	March 2022	00	A92
Index	Description	Date				



① **East**
1 : 50



② **North**
1 : 50



③ **South**
1 : 50



④ **West**
1 : 50



CLIENT: UNHCR
KAKUMA SUB-OFFICE

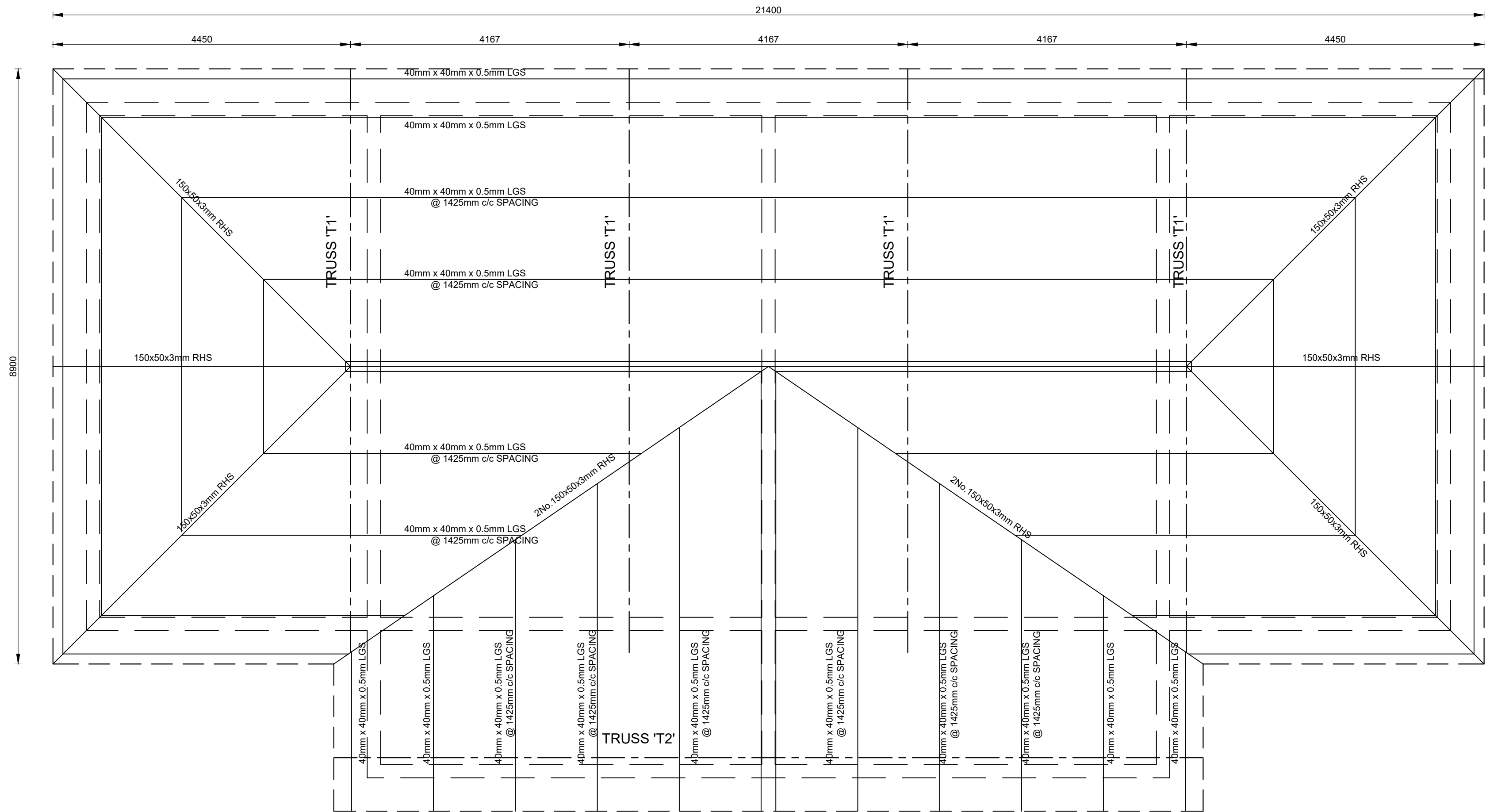
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Project:

**PROPOSED GUEST HOUSE IN KAKUMA
UNHCR SUB-OFFICE**

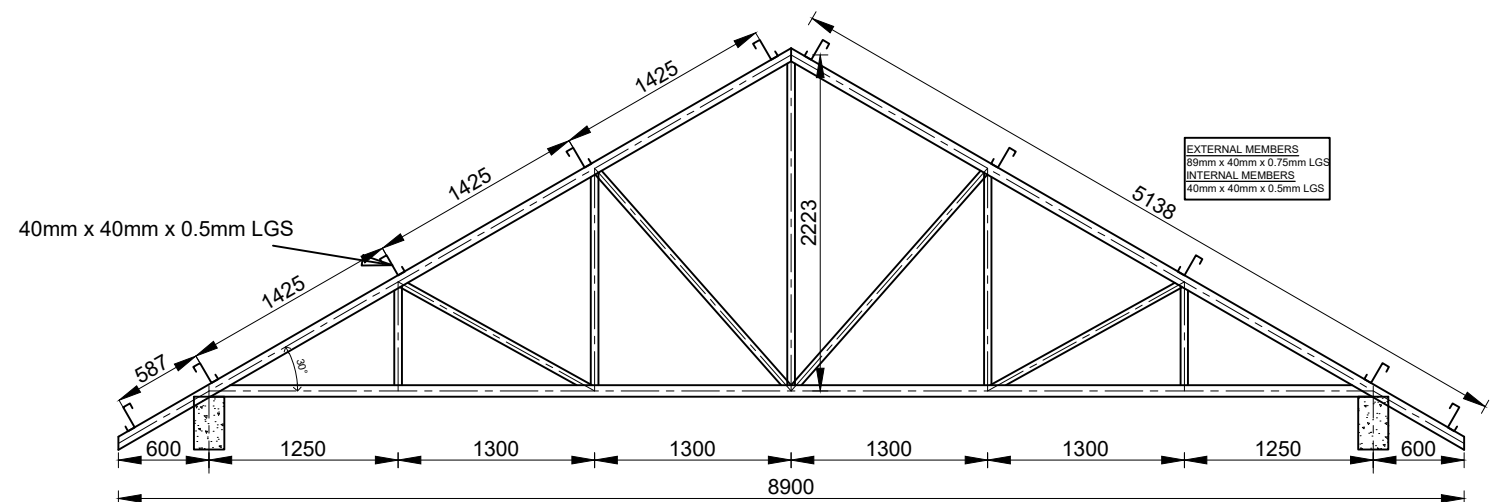
REVISION:			Designed:	Drawn:	Title:	
			Opudo D	Opudo D	UNHCR KAKUMA GUEST HOUSE	
			Checked:	Approved:	Elevations	
			Nnamdi N	Nnamdi N		
			Scale:	Date:	REV No.:	Drawing No.:
Index	Description	Date	As Shown	March 2022	00	A93



ROOF LAYOUT

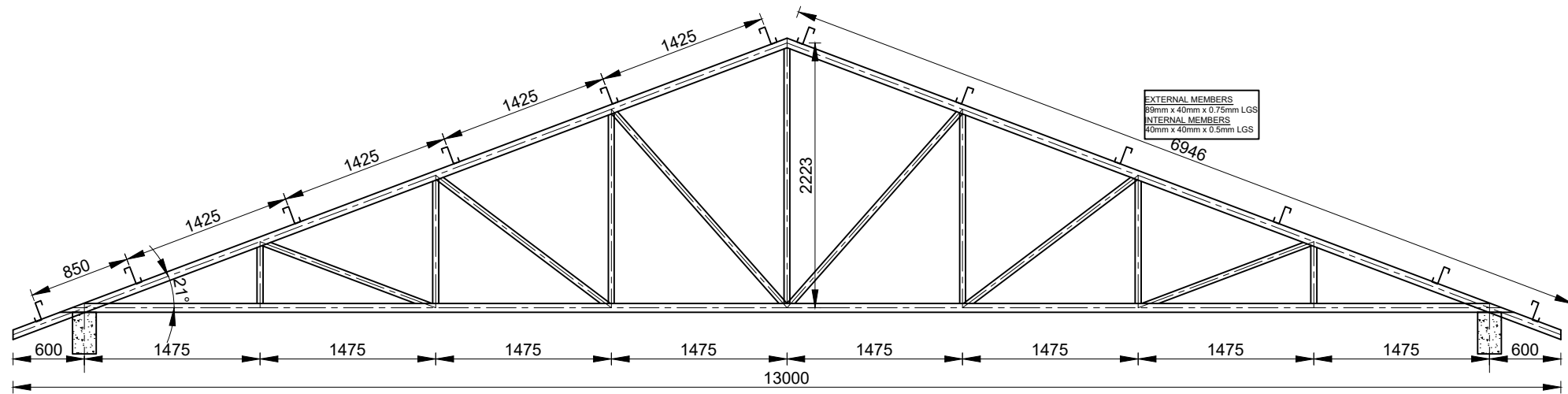
SCALE 1:50

PURLINS TO BE 40mm x 40mm x 0.5mm LGS
@ MAX. 1425mm c/c SPACING



TRUSS T1 (4No.)

SCALE 1:50



TRUSS T2 (1No.)

SCALE 1:50

CLIENT:
UNHCR
KAKUMA
SUB-OFFICE



REVISIONS

MARK DATE DETAILS

0	31/03/2022	ISSUED FOR CONSTRUCTION
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PROJECT TITLE

PROPOSED ACCOMODATION FOR
UNHCR SUB-OFFICE IN KAKUMA

DRAWING TITLE

GUEST HOUSE
ROOF LAYOUT & TRUSS DETAILS

DESIGNED BY

DO

DRAWN BY

DO

SCALE

A1 DWG 1:50/25

A3 DWG 1:100/50

DRAWING NO.

DATE

APRIL 2022

CHECKED BY

NN

REVISION

0

